

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 October 2003 (09.10.2003)

PCT

(10) International Publication Number
WO 2003/083127 A3

(51) International Patent Classification⁷: **G06F 19/00**

(21) International Application Number:
PCT/EP2003/003291

(22) International Filing Date: 28 March 2003 (28.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02007267.4 28 March 2002 (28.03.2002) EP

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(81) Designated States (*national*): AE, AG, AL, AM, AT (uti-
lity model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (uti-
lity model), DE, DK (utility model), DK, DM, DZ, EC, EE
(utility model), EE, ES, FI (utility model), FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

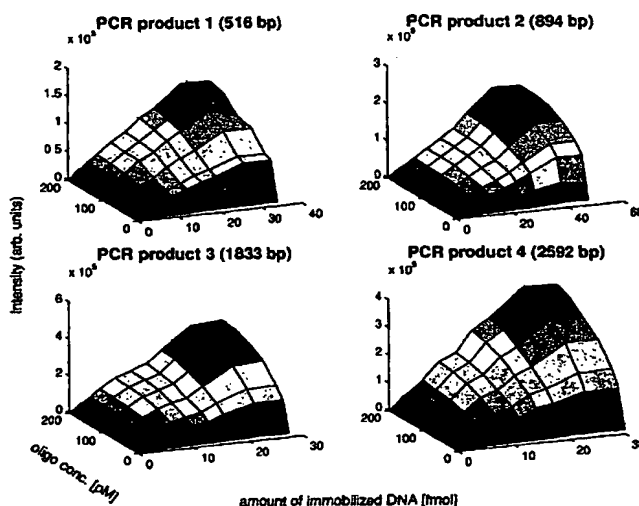
(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR DETERMINING ABSOLUTE MRNA QUANTITIES



Signal intensities in dependence of DNA spot concentrations and of solute target concentrations for nylon membranes. Data shown are averaged over four independent measurements. Data for 4 representative probe species are shown.

(57) **Abstract:** The present invention is particularly directed to a method and a system for determining absolute mRNA quantities, specifically on cDNA microarrays. The following steps and respective means are provided: providing a microarray; providing at least one or more dilution series of control spots on this microarray; hybridizing with a corresponding control cDNA of known concentration; deriving reference data from the hybridization and using said reference data to calculate absolute mRNA concentrations in one or more samples used.



(88) Date of publication of the international search report:
29 April 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/03/03291

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SCHUCHHARDT J ET AL: "NORMALIZATION STRATEGIES FOR CDNA MICROARRAYS" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 28, no. 10, 15 May 2000 (2000-05-15), pages E47I-E47V, XP000982625 ISSN: 0305-1048 cited in the application abstract, figure 1 page E47I, left-hand column, paragraphs 1-3</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/--</p>	1-12

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☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

3 March 2004

Date of mailing of the international search report

16/03/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/03/03291

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DIEHL F ET AL: "Manufacturing DNA microarrays of high spot homogeneity and reduced background signal" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 29, no. 7, 1 April 2001 (2001-04-01), pages e381-e38V, XP002171293 ISSN: 0305-1048 page E38-2, right-hand column, paragraph 2 -page E38-3, left-hand column, paragraph 1; figure 2</p> <p style="text-align: center;">---</p>	1-12
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INTERNATIONAL SEARCH REPORT

International Application No
PCT/03/03291

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